

Master in Artificial Intelligence



Algorithm Selection & Development XIV





Purpose

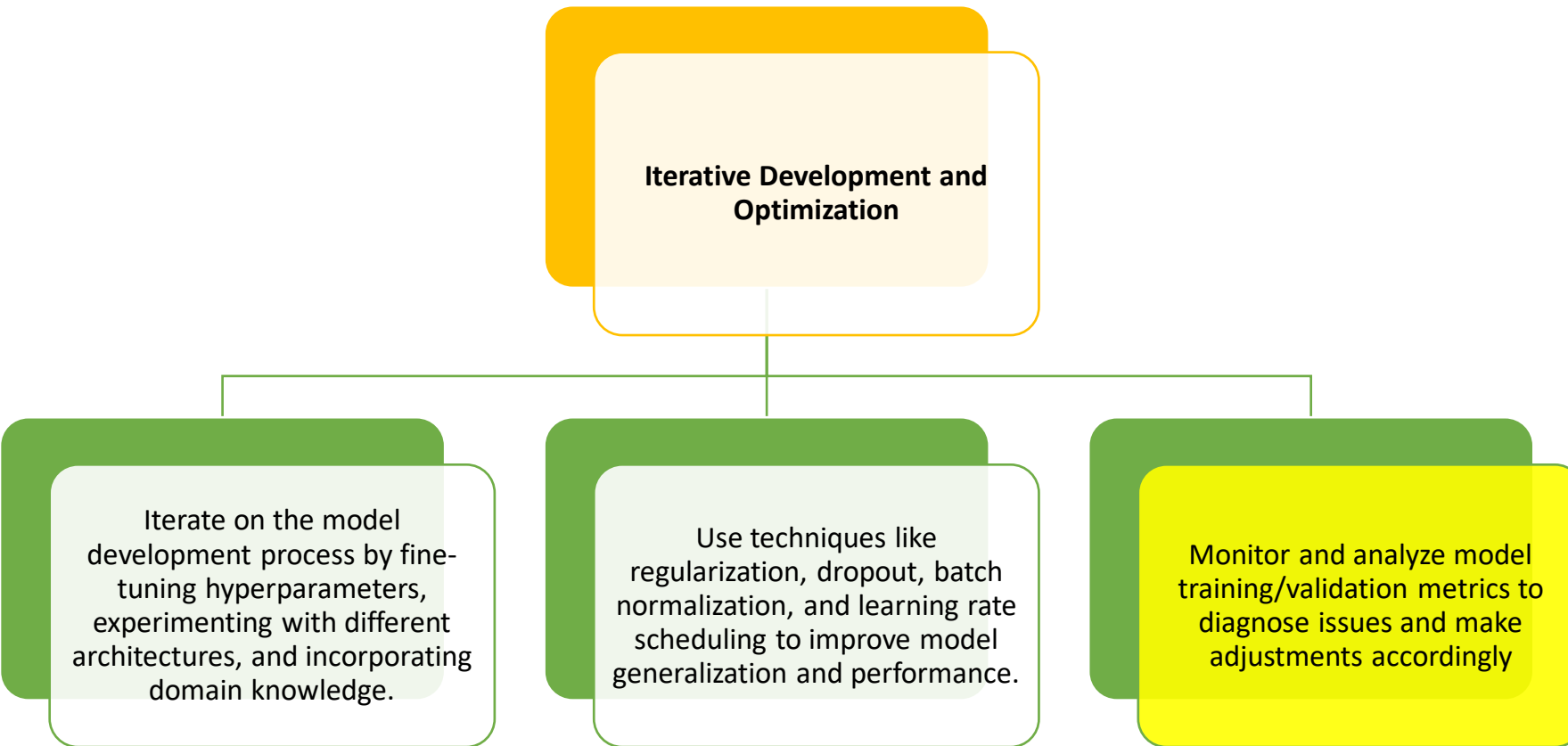
The purpose of the section is to help you learn how to research, select, and develop appropriate algorithms to become a Successful Artificial Intelligence (AI) Engineer

At the end of this lecture, you will learn the following

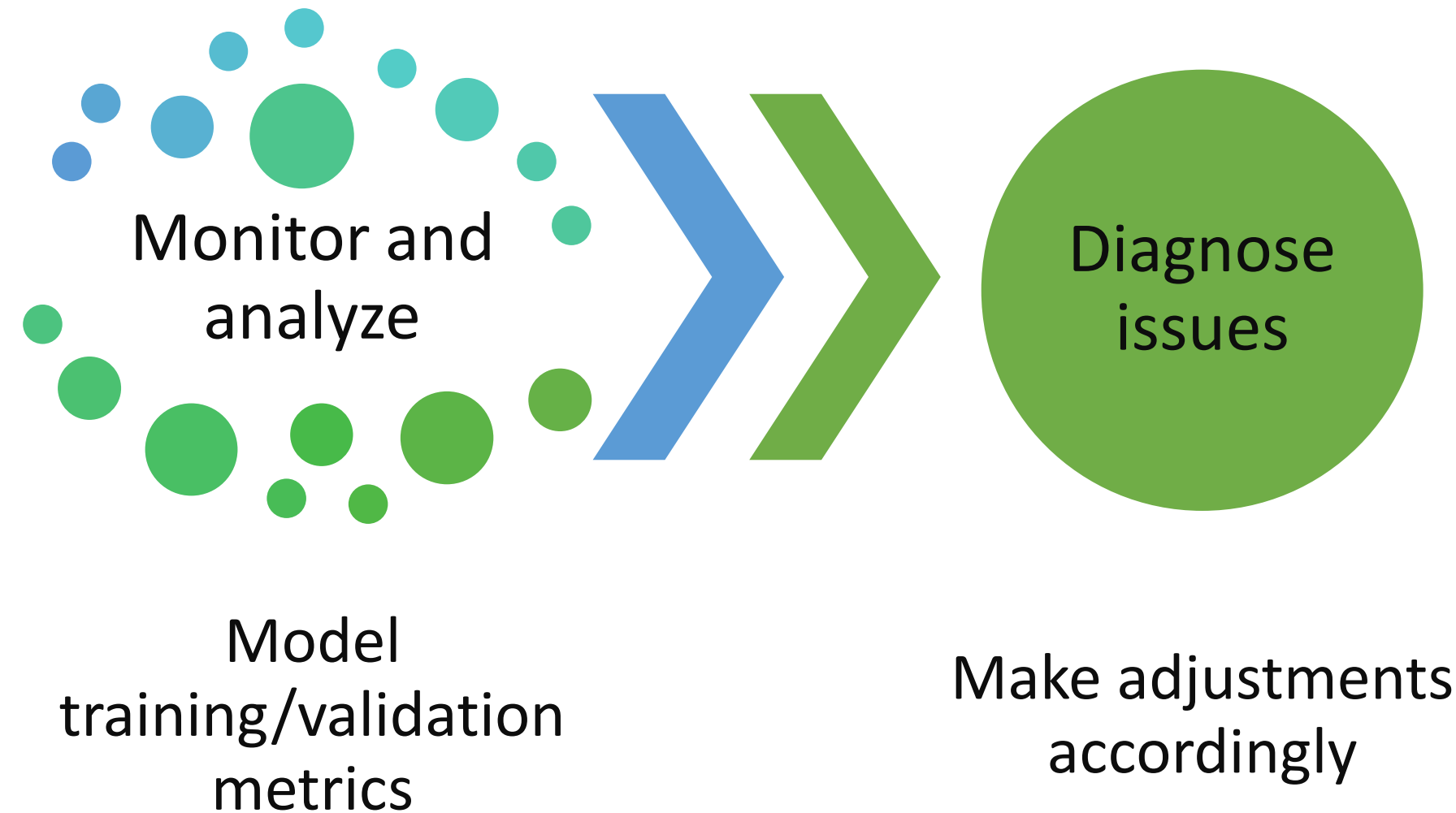
- **How to monitor and analyze model training/validation metrics**



And last step of iterative development and optimization



How to monitor and analyze model training/validation metrics



How to monitor and analyze model training/validation metrics

Select Relevant Metrics



Visualize Metrics Over Time



Identify Overfitting or Underfitting



Adjust Hyperparameters



How to monitor and analyze model training/validation metrics

Detect Convergence Issues



Perform Error Analysis



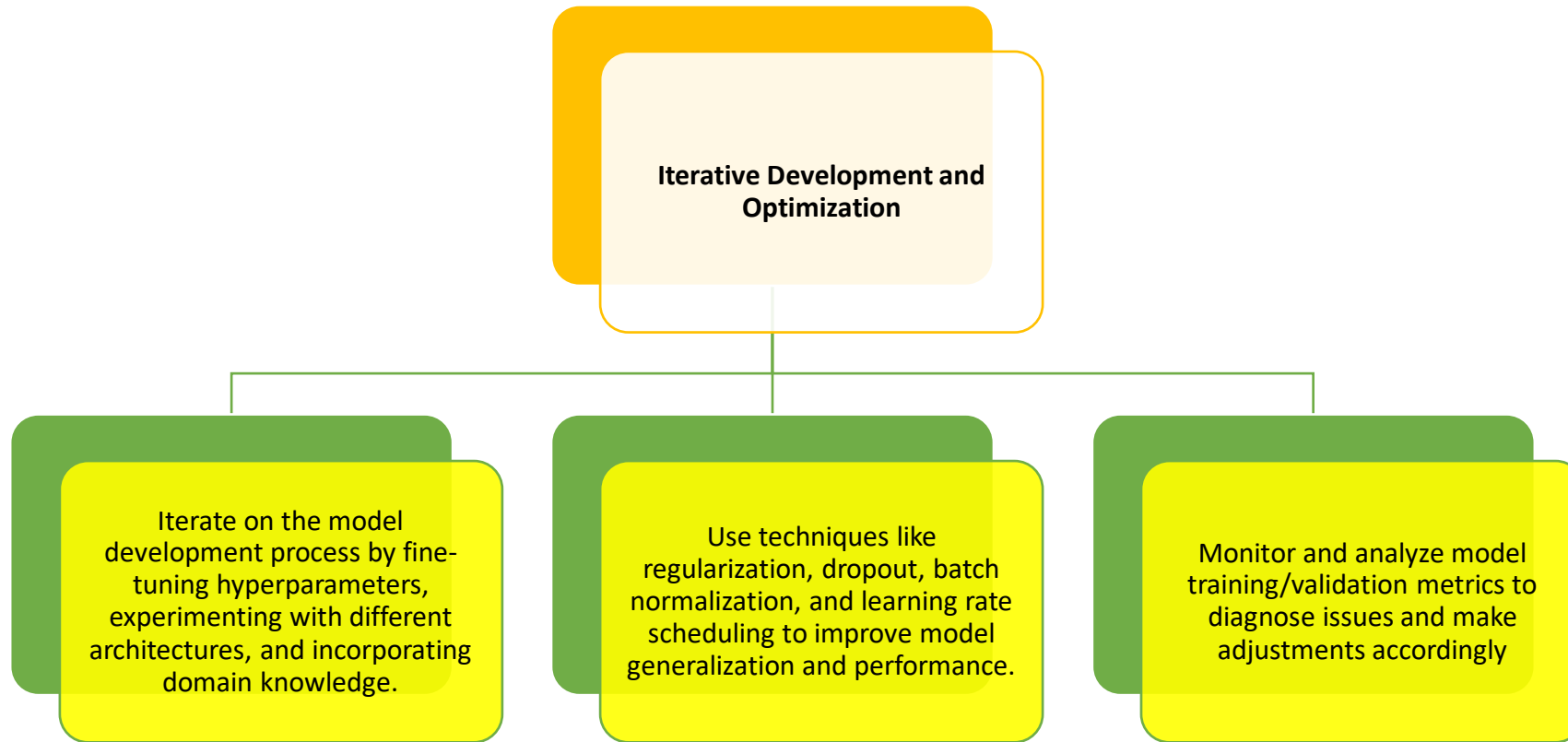
Iterate and Experiment



Track Model Performance

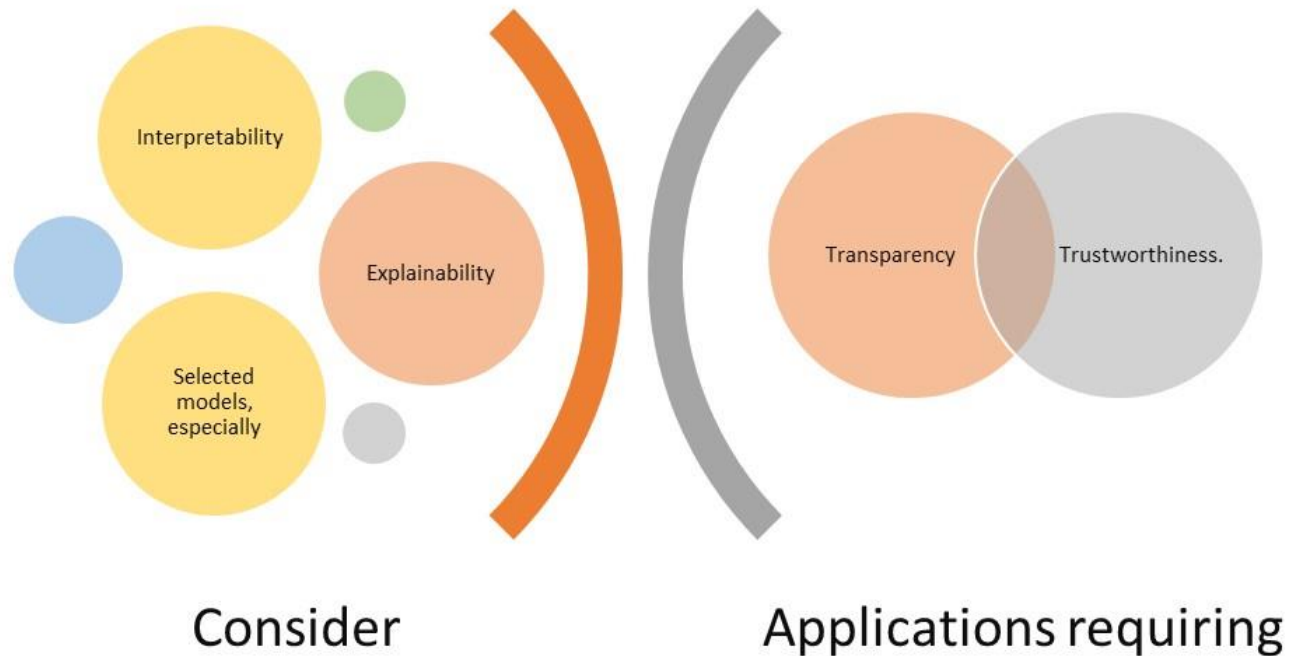


Iterative Development and Optimization Completed



What is next?

We are now ready to consider Interpretability and Explainability



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